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Datasheet for ABIN7549521

**MTMR1 Protein (AA 1-665) (His tag)**

## Overview

Quantity:	1 mg
Target:	MTMR1
Protein Characteristics:	AA 1-665
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTMR1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant MTMR1 Protein expressed in mammalian cells.
Sequence:	<p>MDRPAAAAAA GCEGGGGPNP GPAGGRRPPR AAGGATAGSR QPSVETLDSP TGS HV EWCKQ LIAATISSQI SGSVTSENV S RDYKALRDGN KLAQMEEAPL FPGESIKAIV KDVMYICPFM GAVSGTLTVT DFKLYFKNVE RDPHFILDVP LGVISRVEKI GAQSHGDN S C GIEIVCKDMR NLR LAYKQEE QSKLGIFENL NKHAFPLSNG QALFAFSYKE KFPINGWKVY DPVSEYKRQG LPNESWKISK INSNYEFCDT YPAIIVVPTS VKDDDLSKVA AFRAKGRVPV LSWIHPESQA TITRCSQPLV GPNDKRCKED EKYLQTIMDA NAQSHKLIIF DARQNSVADT NKTKGGGYES ESAYPNAELV FLEIHNIHVM RESLRKLKEI VYPSIDEARW LSNVDGTHWL EYIRMLLAGA VRIADKIESG KTSVVVHCSD GWDRTAQLTS LAMLMLDSYY RTIKGFETLV EKEWISFGHR FALRVGHGND NHADADRSP I FLQFVDCVWQ MTRQFP SAFE FNELFLITIL DHLYSCLFGT FLCNCEQQR F KEDVYTKTIS LWSYINSQLD EFSNPFVNY ENHVLYPVAS LSHLELWVNY YVRWNPRMRP QMPIHQNLKE LLAVRAELQK RVEGLQREVA TRAVSSSSER GSSPSHSATS VHTSV <b>Sequence without tag. The proposed Purification-Tag is based on experiences with</b></p>

## Product Details

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**the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: MTMR1

Alternative Name: MTMR1 ([MTMR1 Products](#))

Background: Myotubularin-related protein 1 (Phosphatidylinositol-3,5-bisphosphate 3-phosphatase) (EC 3.1.3.95) (Phosphatidylinositol-3-phosphate phosphatase) (EC 3.1.3.64),FUNCTION: Lipid phosphatase that has high specificity for phosphatidylinositol 3-phosphate and has no activity with phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)-bisphosphate and phosphatidylinositol (3,4,5)-trisphosphate (PubMed:11733541, PubMed:27018598). Activity with phosphatidylinositol (3,5)-bisphosphate is controversial, it has been shown by PubMed:27018598, while PubMed:11733541 find no activity with this substrate. {ECO:0000269|PubMed:11733541, ECO:0000269|PubMed:27018598}.

## Target Details

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Molecular Weight: 74.7 kDa

UniProt: [Q13613](#)

Pathways: [Inositol Metabolic Process](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months